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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Sheng C. Lou, et al.

Serial No.: 09/731,126

Filed: December 6, 2000

For: MONOCLONAL ANTIBODIES TO
HUMAN IMMUNODEFICIENCY VIRUS AND
USES THEREOF

Attorney Docket No.: 6755.US.O1

Examiner: Unknown

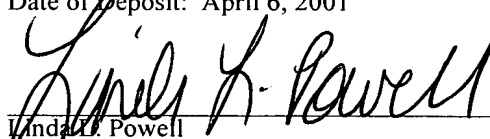
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Linda K. Powell

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, DC 20231

Dear Sir:

Pursuant to 37 CFR §§ 1.56 and 1.97(b), Applicants bring to the attention of the Examiner the documents listed on the attached PTO 1449. This Information Disclosure Statement is being filed, to the knowledge of the undersigned, before the mailing date of a first Office Action on the merits. Applicants respectfully petition and request that the Examiner consider the listed documents and evidence such consideration by making appropriate notations on the attached form. Copies of the listed documents are attached.

This submission does not represent that a search has been made or that no better art exists, and does not constitute an admission that each or all of the listed documents are material or constitute "prior art". If it should be determined that any of the listed documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

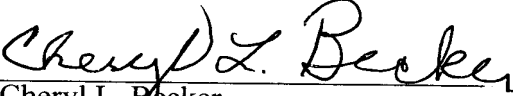
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Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

The Commissioner is authorized to charge our Deposit Account any additional fees (or credit any overpayments) that may be required under 37 CFR §§ 1.16 and 1.17 in association with this communication for which full payment has not been tendered.

ABBOTT LABORATORIES
100 Abbott Park
CHAD 0377/AP6D-2
Abbott Park, Illinois 60064-6050
(847) 935-1729 (Telephone)
(847) 938-2623 (Facsimile)

Respectfully submitted,
Sheng C. Lou, et al.


Cheryl L. Becker
Registration No. 35,441
Attorney for Applicants

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SHEET 1 of 5

Form PTO - 1449 (Modified)

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
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(37 CFR 1.98 (b))

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	INVENTOR	CLASS	SUB CLASS	FILING DATE
	A1	4,886,742	12-12-89	Kortright, et al.			
	A2	4,888,290	12-19-89	Kortright, et al.			
	A3	5,173,399	12-22-92	Mehta, et al.			
	A4	5,210,181	05-11-93	Butman, et al.			
	A5	5,514,541	05-07-96	Butman, et al.			
	A6	5,731,189	03-24-98	Zolla-Pazner, et al.			

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLIC- ATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUB CLASS	TRANS- LATION YES	NO
	B1	EP 0519866A1	12-23-92	EPO				
	B2	WO 93/21346	10-28-93	WO				

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C1	Allain, et al., <i>The Lancet</i> , <i>Serological Markers in Early Stages of Human Immunodeficiency Virus Infection in Haemophiliacs</i> , ii:1233-1236 (1986)
C2	Barin, et al., <i>Science</i> , <i>Virus Envelope Protein of HTLV-III Represents Major Target Antigen for Antibodies in AIDS Patients</i> , 228:1094-1096 (1985)
C3	Barin, et al., <i>The Lancet</i> , <i>Serological Evidence for Virus Related to Simian T-Lymphotropic Retrovirus III in Residents of West Africa</i> , 2:1387-1389 (1985)
C4	Bowen, et al., <i>Annals of Internal Medicine</i> , <i>Transmission of Human Immunodeficiency Virus (HIV) by Transplantation: Clinical Aspects and Time Course Analysis of Viral Antigenemia and Antibody Production</i> , Ann. Of Int. Med. 108:46-48 (1988)
C5	R.H. Burdon and P.H. van Knippenberg, eds. Vol. 15 Elsevier, Amsterdam
C6	Charneau, et al., <i>Virology</i> , <i>Isolation and Envelope Sequence of a Highly Divergent HIV-1 Isolate: Definition of a New HIV-1 Group</i> , 205:247-253 (1994)
C7	Clavel, et al., <i>Science</i> , <i>Isolation of a New Human Retrovirus from West Africa Patients with AIDS</i> , 233:343-346 (1986)
C8	Clavel, et al., <i>Nature</i> , <i>Molecular Cloning and Polymorphism of the Human Immune Deficiency Virus Type 2</i> , 324:691-695 (1986)

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Form PTO - 1449 (Modified)

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C9	Coffin, Science, <i>HIV Population Dynamics in Vivo: Implications for Genetic Variation, Pathogenesis and Therapy</i> , 267:483-489 (1995)
C10	Courouce, et al., <i>La Gazette de la Transfusion</i> N°155-Mars-Avril (1999)
C11	Dawson, et al., <i>The Journal of Infectious Diseases</i> , <i>Reliable Detection of Individuals Seropositive for the Human Immunodeficiency Virus (HIV) by Competitive Immunoassays Using Escherichia Coli-Expressed HIV Structural Proteins</i> , 157:149-155 (1988)
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C14	Gao, F., et al., <i>Nature</i> , <i>Origin of HIV-1 in the Chimpanzee Pan Troglodytes Troglodytes</i> , 397:436-441 (1999)
C15	Gonda, et al., <i>Science</i> , <i>Sequence Homology and Morphologic Similarity of HTLV-III and Visna Virus, a Pathogenic Lentivirus</i> , 277:177-179 (1985)
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C21	Gurtler, et al., <i>Journal of Virological Methods</i> , <i>A New Subtype of Human Immunodeficiency Virus Type 1 (MVP-5180) From Cameroon</i> , 68:1581-1585 (1994)
C22	Guyader, et al., <i>Nature</i> , <i>Genome Organization and Transactivation of the Human Immunodeficiency Virus Type 2</i> , 326:662-669 (1987)
C23	Haesevelde, et al., <i>Journal of Virology</i> , <i>Genomic Cloning and Complete Sequence Analysis of a Highly Divergent African Human Immunodeficiency Virus Isolate</i> , 68:1586-1596 (1994)

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C24	Hunt, et al., <i>AIDS Research and Human Retroviruses, Envelope Sequence Variability and Serologic Characterization of HIV Type I Group O Isolates from Equatorial Guinea</i> , 13:995-1005 (1997)
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C36	Meyerhans, et al., <i>Cell, Temporal Fluctuations in HIV Quasispecies in Vivo are not Reflected by Sequential HIV Isolations</i> , 58:901-910 (1989)
C37	Montagnier, et al., <i>Virology, Identification and Antigenicity of the Major Envelope Glycoprotein of Lymphadenopathy-Associated Virus</i> , 144:283-289 (1985)

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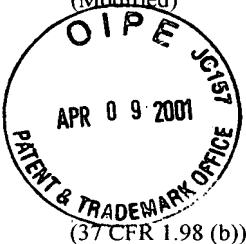
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C39	Phair, <i>JAMA</i> , <i>Human Immunodeficiency Virus Antigenemia</i> , 258:p1218 (1987)
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C41	Saag, et al., <i>Nature Medicine</i> , <i>HIV Viral Load Markers in Clinical Practice</i> , 2:625-629 (1996)
C42	Sarngadharan, et al., <i>Science</i> , <i>Antibodies Reactive with Human T-Lymphotropic Retroviruses (HTLV-III) in the Serum of Patients with AIDS</i> , 224:506-508 (1984)
C43	Schochetman, et al., <i>Aids Testing</i> , Springer-Verlag, New York, Berlin, Heidelberg
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C49	Stephens, et al., <i>Science</i> , <i>Equine Infectious Anemia Virus gag and pol Genes: Relatedness to Visna and AIDS Virus</i> , 231:589-594 (1986)
C50	Stute, <i>The Lancet</i> , <i>HIV Antigen In Acute HIV Infection</i> , 1(8532):p566 (1987)
C51	van Binsbergen, et al., <i>Journal of Virological Methods</i> , <i>Improved Performance of Seroconversion with a 4th Generation HIV Antigen/Antibody Assay</i> , 82:77-84 (1999)

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C52	von Sydow, et al., <i>British Medical Journal</i> , <i>Antigen Detection in Primary HIV Infection</i> , 296:238-240 (1988)
C53	Wain-Hobson, <i>Current Topics in Microbiology</i> , <i>Human Immunodeficiency Virus Type 1 Quasispecies in Vivo and Ex Vivo</i> , 176:181-193 (1992)
C54	Wall, et al., <i>The Lancet</i> , <i>HIV Antigenaemia in Acute HIV Infection</i> , 1(8532):p566 (1987)
C55	Weber, et al., <i>Journal of Clinical Microbiology</i> , <i>Reduction of Diagnostic Window by New Fourth-Generation Human Immunodeficiency Virus Screening Assays</i> , 36(8):2235-2239 (1998)
C56	Zhang, et al., <i>AIDS</i> , <i>Detection, Quantification and Sequencing of HIV-1 from the Plasma of Seropositive Individuals and from Factor VIII Concentrates</i> , 5(6):675-681 (1991)
C57	Zhu, <i>Journal of Virology</i> , <i>Evidence for Coinfection by Multiple Strains of Human Immunodeficiency Virus Type 1 Subtype B in an Acute Seroconverter</i> , 69:1324-1327 (1995)

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